

SAMPLE REDUCTION OF AGGREGATE SAMPLES AASHTO T 248

APPARATUS

- [] Sample splitter, open or closed type, with an even number of equal width chutes, but not less than eight (Coarse Aggregate and Mixed Aggregate)
- [] Sample splitter with an even number of equal width chutes, but not less than twelve (Fine Aggregate)
- [] Straight-edge scoop, shovel, or trowel; a broom or brush; and a canvas blanket approximately 6 x 8 ft for quartering
- [] Straight-edge scoop, shovel, or trowel for mixing the aggregate, and either small sampling thief, small scoop, or spoon for miniature stockpile sampling

PROCEDURE

Method A - Mechanical Splitter

- []* Minimum width of individual chutes approximately two times larger than largest particles in sample (Coarse Aggregate and Mixed Aggregate)
- [] Individual chutes 1/2 to 3/4 in. wide (Dry Fine Aggregate)
- [] Material uniformly distributed from edge to edge
- [] Material free flowing through chutes into receptacles below

Method B - Quartering

- [] Sample placed on hard, clean, level surface
- [] Sample mixed by turning the entire sample over three times
- [] Sample shoveled into conical pile depositing each shovelful on top of preceding one
- [] Sample flattened to uniform thickness by pressing down apex with shovel
- [] Sample diameter approximately four to eight times the thickness
- [] Sample divided into four equal parts with shovel or trowel
- [] Two diagonally opposite quarters removed, including all fine material by brush
- [] Sample remixed and quartered, using above-noted procedure, until desired size obtained

* Exception to AASHTO T 248

Method C - Miniature Stockpile Sample
(Damp Fine Aggregate Only)

- [] Sample placed on hard, clean, level surface
- [] Sample mixed by turning entire sample over three times
- [] Sample shoveled into conical pile by depositing each shovelful on top of preceding one
- [] Sample flattened to uniform thickness by pressing down apex with shovel (Only if Done)
- [] Sample obtained by selecting at least five increments of material at random locations from the miniature stockpile with sampling thief, scoop, or spoon

NA - Not Applicable
X - Requires Corrective Action
√ - Satisfactory

Acceptance Technician

INDOT

Date

Comments _____

CORRECTIVE ACTION SHEET

SOURCE # _____

DATE _____

ITEM _____

Problem Explanation: _____

Corrective Action To Be Taken Is: _____

Deadline Date Is: _____

Follow-up _____ Date _____

Finding: _____

If NOT corrected, prepare another Corrective Action Sheet.